## **CITY OF FRISCO**

## STONEBROOK PARKWAY – PHASE I

**CIP NUMBER 05-0030** 

**BID NUMBER 1111-010** 





ADDENDUM #2 - 12-20-10

\*Supersedes Addendum #2 sent on 12-20-10 at 11:58 a.m.\* This re-issuance of Addendum #2 supersedes the previous Addendum #2 sent out earlier today. There were two sheet inadvertently left off, sheets 24 and 25 of the bid proposal. Those sheets have been added to this re-issue Addendum #2. Disregard the previous Addendum #2 sent out earlier today.

To: All Bidders

This addendum becomes part of the "STONEBROOK PARKWAY – PHASE I" plans and specifications. Page 8 of the bid book must be completed by the bidder acknowledging receipt of this addendum. **BIDS WILL NOT BE ACCEPTED IF THE ABOVE INSTRUCTIONS ARE NOT FOLLOWED.** 

All provisions of the original "STONEBROOK PARKWAY – PHASE I" plans and specifications shall remain in full force and effect, except as modified by this addendum #2.

### MODIFICATIONS TO THE SPECIFICATIONS:

- 1. Bid items have been included for the Borrow methods.
- 2. Bid item 56 was updated to reflect that this is a 12" White bid item.
- 3. Bid item 56 was updated to reflect this is an additional quantity not a deduct quantity.
- 4. Bid summary has been updated to reflect Alternate Bid options for (4 lanes vs 6 lanes) and for (Local Borrow vs Offsite Borrow at Dominion).
- 5. Special condition SC 10 (schedule of submittals) was added to the special conditions.
- 6. Bid Item 70 was updated to LF instead of EA.

## MODIFICATIONS TO THE ADVERTISEMENT FOR BIDS:

1. Bid opening has been rescheduled for December 22, 2010 at 2:05 p.m.

## FOLLOWING SHEETS AND ITEMS HAVE BEEN REISSUED:

- 1. Bid Proposal form
- 2. Advertisement for Bids
- 3. Special Conditions
- 4. Bidding requirements sheets 24 and 25.
- 5. Updated sheet TS-FD-99 sheet 261

### ADVERTISEMENT TO BIDDERS

## BID NO. <u>1111-010</u> CIP NO. <u>05-0030</u>

Sealed Bids addressed to the City Engineer of the City of Frisco, 6101 Frisco Square Boulevard, 3<sup>rd</sup> Floor, Frisco, TX 75034, will be received at the office of the City Engineer of the City of Frisco until 2:00 p.m. on Wednesday, December 22, 2010. The envelope must be sealed and clearly marked "SEALED BID Number 1111-010 for STONEBROOK PARKWAY – PHASE I." Bids will be publicly opened and read at City Hall on Wednesday, December 22, 2010 at 2:05 p.m. for the following project:

# STONEBROOK PARKWAY – PHASE I (LEGACY DRIVE TO FIGHTING EAGLES LANE)

An optional pre-bid meeting will be held at the Engineering Services Department on Tuesday, December 14, 2010 at 10:00 a.m.

Bidders must submit with their bids a Cashier's Check in the amount of five percent (5%) of the maximum amount bid, payable without recourse to the OWNER or a Bid Bond in the same amount from an approved Surety Company as guarantee that the Bidder will enter into a contract and execute bond and guarantee forms provided within ten (10) days after notice of award of contract is issued to him or her.

The successful Bidder must furnish performance and payment bonds each in the amount of 100 percent (100%) of the Contract price from an approved Surety Company holding a permit from the State of Texas, to act as Surety.

All unit prices must be stated in both words and numerals. Electronic bids will not be accepted unless accompanied by a hard copy with the appropriate signatures. The OWNER reserves the right to reject any or all bids and to waive any irregularities or formalities. In case of ambiguity or lack of clearness in stating the price of the bids, the OWNER reserves the right to consider the most advantageous construction thereof, or to reject the bid. Unreasonable or unbalanced unit prices will be considered sufficient cause of rejection of any bid or bids.

Bidders are expected to inspect the site of the Project and to inform themselves regarding local conditions and conditions under which the Project is to be done. Attention is called to the provisions of the Acts of the 43rd Legislature of the State of Texas and subsequent amendments concerning the wage scale and payment of prevailing wages. The prevailing wage rates established annually by City Council Resolution are applicable to this project and made part of the Contract Documents. Not less than these rates must be paid on this Project.

Instructions to Bidders, Bid Forms, Contract Requirements, Technical Specifications, and Plans may be examined without charge at the office of the City Engineer of the City of Frisco, 6101 Frisco Square Boulevard, 3<sup>rd</sup> Floor, Frisco, TX 75034 or may be obtained at the office of the Engineer, HNTB Corporation, 5910 W. Plano Parkway, Suite 200, Plano, Texas, 75093, for a non-refundable fee of One-Hundred and Fifty Dollars (\$150.00) for a half size set of plans and project manual or a non-refundable fee of Fifty Dollars (\$50) for a CD with pdf images of the plans and a hard copy of the project manual. Payment shall be made to HNTB Corporation.

Receipt of responses does not bind the OWNER to any contract of said products or services, nor does it give any guarantee that a contract for the bid will be awarded.

## **SPECIAL CONDITIONS**

## **INDEX**

SC 1	Location
SC 2	Project Description
SC 3	Compliance with Contract Documents
SC 4	Minimum Wage Rates
SC 5	Project Signs
SC 6	Work with Own Forces
SC 7	Field Office
SC 8	Clean-up
SC 9	Liquidated Damages
SC 10	Schedule of submittals

### **SC 1 - LOCATION**

The project is located in Frisco, Denton County, Texas at the intersection of Stonebrook Parkway and Legacy Drive.

### SC 2 - PROJECT DESCRIPTION

The work to be performed under the provisions of these Contract Documents consists of: Construction of roadway, drainage, bridges, water, wastewater, traffic signal, illumination, landscaping and irrigation for the Phase I improvements for Stonebrook Parkway from Legacy Drive east approximately 1,900 linear feet and includes the intersection at Fighting Eagles Lane as well as approximately 450 linear feet of Fighting Eagles Lane. The bridges over Stewart Creek are included in this phase.

### SC 3 - COMPLIANCE WITH CONTRACT DOCUMENTS

The CONTRACTOR agrees to comply with the requirements of the Contract Documents, all approved modifications thereof, and additions and alterations thereto approved in writing by the OWNER. The burden of proof of such compliance shall be upon the CONTRACTOR to show that it has complied with the said requirements of the Contract Documents, approved modifications thereof and all approved additions and alterations thereto.

### SC 4 - MINIMUM WAGE RATES

The prevailing wage rates as adopted by City Resolution are determined applicable for this project and are made a part of these Contract Documents. Not less than these rates must be paid on this project.

### SC 5 - PROJECT SIGNS

The Contractor shall supply 2 project signs in accordance with the details attached at the end of these special conditions.

### SC 6 - WORK WITH OWN FORCES

The CONTRACTOR shall perform with its own forces work of a value of not less than 30% of the contract amount.

### SC 7 - FIELD OFFICE:

The CONTRACTOR will not be required to furnish a field office on this contract.

## SC 8 - CLEAN-UP:

During construction the Contractor shall at all times keep the job site free from waste, debris and rubbish, and shall maintain a daily routine of clean-up.

All trees, stumps, slashings, brush or other debris to be removed from the site, shall be disposed of in a manner approved by the OWNER. Burning of trash, etc., will only be permitted where allowed by Local Ordinances and State Pollution Regulations.

Surplus dirt or earth shall be removed from the site and satisfactorily disposed of unless otherwise

directed by the OWNER.

Upon completion of the work as a whole and prior to final acceptance, the CONTRACTOR shall clean and remove from the site all surplus and discarded materials, temporary structures and all debris. The CONTRACTOR shall leave the site in a neat and orderly condition with an appearance satisfactory to the OWNER. Method and location of disposal of surplus and waste materials shall be subject to the approval of the OWNER.

The CONTRACTOR shall then thoroughly clean all equipment and materials and shall present for final inspection materials and equipment in a clean, bright and new condition.

No extra payment will be made for any clean-up required on the project.

## **SC 9 – LIQUIDATED DAMAGES:**

Liquidated damages are set at [\$5,000.00] per calendar day in accordance with Item 7.8 in the General Conditions.

SC 10 – A Schedule of submittals will need to be submitted by the contractor for this project.

### STONEBROOK PARKWAY - PHASE I BID # 1111-010 BID SCHEDULE

BID SCHEDULE										
ITEM#	SPEC ITEM	DESCRIPTION AND UNIT PRICE IN WORDS	EST. QTY	UNIT	UNIT BID PRICE	AMOUNT BID				
STONEBROOK & FIGHTING EAGLES PAVING QUANTITIES										
1	017113	MOBILIZATIONDOLLARSCENTS PER LUMP SUM	1	LS	\$	\$				
2	024100	GENERAL SITE PREP (ROADWAY) (EMBANKMENT TOE TO TOE) (ROW VARIES)DOLLARSCENTS PER STATION	19	STA	\$	\$				
3	024100	GENERAL SITE PREP (CHANNEL) (ROW VARIES)DOLLARSCENTS PER STATION	5	STA	\$	\$				
4	024100	GENERAL SITE PREP (WATERLINE)	10	STA	\$	\$				
5	015813	PROJECT SIGNDOLLARSCENTS PER EACH	2	EA	\$	\$				
6	347113	BARRICADES, SIGNS AND TRAFFIC HANDLINGDOLLARSCENTS PER MONTH	9	МО	\$	s				
7	312500	STABILIZED CONSTRUCTION ENTRANCE/EXITDOLLARSCENTS PER EACH	4	EA	\$	s				
8	312316	UNCLASSIFIED STREET EXCAVATIONDOLLARSCENTS PER CUBIC YARD	5,910	CY	\$	\$				
9	312317	UNCLASSIFIED CHANNEL EXCAVATION ( OUTFALL DITCH "A" DOLLARS CENTS  PER CUBIC YARD	2,361	CY	\$	\$				
10A	NCTCOG 203.6	BORROW (STA 41+00 - STA 48+00)	26,419	CY	\$	\$				
10B	NCTCOG 203.6	BORROW (CONTRACTOR SUPPLIED)	134	CY	\$	\$				

### STONEBROOK PARKWAY - PHASE I BID # 1111-010 BID SCHEDULE

ITEM#	SPEC ITEM	DESCRIPTION AND UNIT PRICE IN WORDS	EST. QTY	UNIT	UNIT BID PRICE	AMOLINIT DID	
ITEIVI#	3FECTIEW	DESCRIFTION AND UNIT PRICE IN WORDS	E31. Q11	OINT	UNIT BID PRICE	AMOUNT BID	
10C	NCTCOG 203.6	BORROW (CONTRACTOR SUPPLIED) (FROM DOMINION AT PANTHER CREEK) DOLLARSCENTS PER CUBIC YARD	26,419	CY	\$	\$	
11	NCTCOG 203.6	BORROW (FROM OWNER PROVIDED STOCKPILE) (PULVERIZED MAT. TO MAX 3" DIA)	15,864	CY	\$	\$	
12	DWG PD-2	STABILIZED SLOPE TREATMENT (4:1 SLOPES) DOLLARSCENTS PER SQUARE YARD	14,566	SY	\$	\$	
13	321313	REINFORCED CONCRETE PAVEMENT (9"THICK, CLASS P1 OR P2)	11,111	SY	\$	\$	
14	321313	REINFORCED CONCRETE PAVEMENT (7"THICK, CLASS P1 OR P2)	2,153	SY	s	\$	
15	321650	REINFORCED CONCRETE SIDEWALK (4*THICK)(VARIOUS WIDTHS)(CLASS A)	2,741	SY	\$	\$	
16	321665	REINFORCED CONCRETE HEADER	280	Ŀ	s	\$	
17	321113	LIME STABILIZED BASE (12" THICK) (DENSITY CONTROL) DOLLARSCENTS PER SQUARE YARD	13,790	SY	\$	\$	
18	321113	LIME STABILIZED BASE (8" THICK) (DENSITY CONTROL) DOLLARSCENTS PER SQUARE YARD	2,648	SY	s	\$	
19	321113	HYDRATED LIME (90 #/SY) (TYPE A) DOLLARSCENTS PER TON	622	TON	\$	\$	
20	321113	HYDRATED LIME-FIGHTING EALES (90 #/SY) (TYPE A)	80	TON	\$	\$	

# STONEBROOK PARKWAY - PHASE I BID # 1111-010 BID SCHEDULE ## SPEC ITEM DESCRIPTION AND UNIT PRICE IN WORDS EST. QTY UNIT UNIT BID P

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ITEM#	SPEC ITEM	DESCRIPTION AND UNIT PRICE IN WORDS	EST. QTY	UNIT	UNIT BID PRICE	AMOUNT BID		
21	321112	MOISTURE TREATED SUBGRADE ( 7 FT DEPTH) DOLLARSCENTS PER SQUARE YARD	15,876	SY	\$	\$		
22	321112	MOISTURE TREATED SUBGRADE ( 5 FT DEPTH) DOLLARSCENTS PER SQUARE YARD	2,648	SY	\$	s		
23	321613	6" MONOLITHIC CONCRETE CURB	6,020	LF	\$	s		
24	321655	BARRIER FREE RAMPSDOLLARSCENTS	10	EA	s	s		
25	321660	TYPE 2 - MONOLITHIC CONCRETE MEDIAN NOSE (INCLUDING PAVERS)	3	EA	\$	\$		
26	TxDOT 432	5 INCH CONCRETE RIPRAP (NOT PART OF BRIDGE RIP RAP) DOLLARSCENTS PER CUBIC YARD	55	CY	\$	\$		
27	NCTCOG 402.3	FULL DEPTH SAW CUTDOLLARSCENTS PER LINEAR FOOT	230	LF	\$	\$		
28	TxDOT 540	METAL BEAM GUARD FENCE TRANSITION (TR)-09DOLLARSCENTS PER EACH	4	EA	\$	\$		
29	TxDOT 544	GUARDRAIL END TREATMENT (INSTALL) (SGT (8) - 09) DOLLARSCENTS PER EACH	4	EA	\$	\$		
30	TxDOT 540	METAL BEAM GUARD FENCE (CLASS A, TYPE I) (WOOD POSTS)	400	LF	\$	s		
31	TxDOT 104	SAWCUT AND REMOVE EXISTING CONCRETE CURB AND GUTTER	30	LF	\$	\$		

### STONEBROOK PARKWAY - PHASE I BID # 1111-010 **BID SCHEDULE** ITEM# SPEC ITEM EST. QTY UNIT BID PRICE AMOUNT BID DESCRIPTION AND UNIT PRICE IN WORDS UNIT REMOVE EXISTING BARRIER FREE RAMP DOLLARS 024100 32 2 EΑ CENTS PER FACH REMOVE EXISTING BARRICADES AND TRAFFIC BUTTONS DOLLARS 33 024100 LS \_CENTS PER LUMP SUM REMOVE EXISTING CONCRETE PAVEMENT DOLLARS 34 024100 400 SY CENTS PER SQUARE YARD STONEBROOK & FIGHTING EAGLES ALTERNATE PAVING QUANTITIES ALTERNATE - REINFORCED CONCRETE PAVEMENT (9"THICK, CLASS P1 OR P2) 35 321313 \_DOLLARS 2,079 SY \_\_CENTS PER SQUARE YARD ALTERNATE - HYDRATED LIME (90 #/SY) (TYPE A) 36 321113 103 PER TON ALTERNATE - LIME STABILIZED BASE (12" THICK)(DENSITY 37 321113 2.285 DOLLARS SY \_CENTS PER SQUARE YARD STONEBROOK & FIGHTING EAGLES PAVMENT MARKING QUANTITIES REFL PAV MRK TY I(W) 4" (BRK)(100MIL) DOLLARS 321723 38 4.330 LF \_CENTS PER LINEAR FOOT REFL PAV MRK TY I (W) 4" (DOT)(100MIL) DOLLARS 39 321723 225 LF CENTS PER LINEAR FOOT REFL PAV MRK TY I (W) 4" (SLD)(100MIL) \_DOLLARS 40 321723 1,635 LF CENTS PER LINEAR FOOT REFL PAV MRK TY I (W) 8" (SLD)(100MIL) \_DOLLARS 41 321723 1,320 LF \_CENTS PER LINEAR FOOT

### STONEBROOK PARKWAY - PHASE I BID # 1111-010 **BID SCHEDULE** ITEM# SPEC ITEM EST. QTY UNIT BID PRICE AMOUNT BID DESCRIPTION AND UNIT PRICE IN WORDS UNIT REFL PAV MRK TY I (W) 12" (SLD)(100MIL) DOLLARS 42 321723 LF 150 CENTS PER LINEAR FOOT REFL PAV MRK TY I (W) 24" (SLD)(100MIL) DOLLARS 43 321723 860 LF \_CENTS PER LINEAR FOOT REFL PAV MRK TY I (Y) 4" (SLD)(100MIL) \_DOLLARS 44 321723 1,817 LF CENTS PER LINEAR FOOT REFL PAV MRK TY I (Y) 12" (SLD)(100MIL) \_DOLLARS 45 321723 1,269 LF \_CENTS PER LINEAR FOOT REFL PAV MRK TY I (W) (ARROW)(100MIL) \_DOLLARS 321723 \_CENTS PER EACH REFL PAV MRK TY I (W) (WORD)(100MIL) 47 EΑ \_CENTS PER EACH TRAFFIC BUTTON II-C-R 48 229 EΑ \_CENTS PER EACH SIGN & SIGN POST ASSEMBLY 344150 49 25 EΑ PER EACH TYPE III BARRICADE \_DOLLARS 50 347113 EΑ 5 PER EACH REMOVE EXISTING SIGN ASSEMBLY \_DOLLARS 024100 51 EΑ 2 \_CENTS PER EACH STONEBROOK & FIGHTING EAGLES ALTERNATE PAYMENT MARKING QUANTITIES ALTERNATE - REFL PAV MRK TY I(W) 4" (BRK)(100MIL) \_DOLLARS 52 321723 2,324 LF \_CENTS PER LINEAR FOOT

### BID # 1111-010 **BID SCHEDULE** ITEM# SPEC ITEM EST. QTY UNIT BID PRICE AMOUNT BID DESCRIPTION AND UNIT PRICE IN WORDS UNIT ALTERNATE - REFL PAV MRK TY I (W) 4" (SLD)(100MIL) DOLLARS 321723 LF 53 -78 CENTS PER LINEAR FOOT ALTERNATE - REFL PAV MRK TY I (Y) 4" (SLD)(100MIL) \_DOLLARS 54 321723 -1,432 LF \_CENTS PER LINEAR FOOT ALTERNATE - REFL PAV MRK TY I (Y) 12" (SLD)(100MIL) \_DOLLARS 55 321723 -739 LF CENTS PER LINEAR FOOT ALTERNATE - REFL PAV MRK TY I (W) 12" (SLD)(100MIL) \_DOLLARS 321723 LF \_CENTS PER LINEAR FOOT ALTERNATE - TRAFFIC BUTTON II-C-R \_DOLLARS 57 321723 \_CENTS PER EACH ALTERNATE-SIGN & POST ASSEMBLY 58 EΑ \_CENTS PER EACH STONEBROOK ILLUMINATION QUANTITIES DRILL SHAFT (RDWY ILL POLE) (30IN) \_DOLLARS 033101 LF 59 64 \_CENTS PER LINEAR FOOT CONDUIT (PVC)(SCHD 40) 2" DOLLARS 270500 3,864 LF 60 \_CENTS PER LINEAR FOOT ELEC CONDUCTOR (NO. 6) BARE \_DOLLARS 61 260500 4.704 ΙF \_CENTS PER LINEAR FOOT ELEC CONDUCTOR (NO. 6) INSULATED DOLLARS 62 260500 9.408 LF CENTS PER LINEAR FOOT GROUND BOX TY A (122311 W/APRON) \_DOLLARS 63 344135 EΑ \_CENTS PER EACH

STONEBROOK PARKWAY - PHASE I

### STONEBROOK PARKWAY - PHASE I BID # 1111-010 **BID SCHEDULE** SPEC ITEM ITEM# EST. QTY UNIT BID PRICE AMOUNT BID DESCRIPTION AND UNIT PRICE IN WORDS UNIT ELC SRV TY A (240/480)060(NS)AL(E)PS(U) DOLLARS 64 260501 EΑ CENTS PER EACH LUMINAIRE POLE DOLLARS 65 265619 EΑ \_CENTS PER EACH LUMINAIRE POLE (BRIDGE MOUNT) \_DOLLARS 66 265619 EΑ CENTS PER EACH LUMINAIRE FIXTURE DOLLARS 265620 EΑ \_CENTS PER EACH STONEBROOK & FIGHTING EAGLES SW3P QUANTITIES SW3P - INLET PROTECTION (CURB) 312500 68 13 EΑ \_CENTS PER EACH SILT FENCE (INSTALL / MAINTAIN / REMOVE ) \_DOLLARS 312500 69 6.950 LF \_CENTS PER LINEAR FOOT ROCK FILTER BERM \_DOLLARS 70 312500 250 LF \_CENTS PER LINEAR FOOT STORM WATER POLLUTION PREVENTION PLAN DOLLARS 71 312500 LS \_CENTS PER LUMP SUM STONEBROOK & FIGHTING EAGLES DRAINAGE QUANTITIES RECESSED CURB INLET - 8' STANDARD \_DOLLARS 72 334920 CENTS PER EACH RECESSED CURB INLET - 10' STANDARD \_DOLLARS 73 334920 EΑ \_CENTS PER EACH

### STONEBROOK PARKWAY - PHASE I BID # 1111-010 BID SCHEDULE

ITEM#	CDEC ITEM	BID SCHEDULE						
ITEM#	SPEC ITEM	DESCRIPTION AND UNIT PRICE IN WORDS	EST. QTY	UNIT	UNIT BID PRICE	AMOUNT BID		
74	334920	RECESSED CURB INLET - 20' STANDARD	3	EA	\$	\$		
75	334920	RECESSED CURB INLET - 24' STANDARDDOLLARSCENTS PER EACH	2	EA	\$	\$		
76	334920	CITY OF FRISCO WYE INLET (7'X7') DOLLARSCENTS PER EACH	1	EA	\$	s		
77	334113	21" RCP, C-76, CLASS III, INCLUDING EMBEDMENT	435	LF	\$	\$		
78	334113	24" RCP, C-76, CLASS III, INCLUDING EMBEDMENT	1,040	LF	\$	s		
79	334113	36" RCP, C-76, CLASS III, INCLUDING EMBEDMENT	12	LF	\$	\$		
80	334200	5'x5' RCB, CLASS III, INCLUDING EMBEDMENTDOLLARSCENTS PER LINEAR FOOT	985	LF	\$	\$		
81	334200	12'x8' RCB, CLASS III, INCLUDING EMBEDMENTDOLLARSCENTS PER LINEAR FOOT	1,970	LF	s	\$		
82	334200	12'x9' RCB, CLASS III, INCLUDING EMBEDMENTDOLLARSCENTS PER LINEAR FOOT	985	LF	\$	\$		
83	334913	TXDOT MANHOLE TYPE MH-M (4' X 4') DOLLARSCENTS PER EACH	1	EA	\$	\$		
84	334913	TXDOT MANHOLE TYPE MH-M (3' X 3')	1	EA	\$	\$		

### STONEBROOK PARKWAY - PHASE I BID # 1111-010 BID SCHEDULE

BID SCHEDULE								
ITEM#	SPEC ITEM	DESCRIPTION AND UNIT PRICE IN WORDS	EST. QTY	UNIT	UNIT BID PRICE	AMOUNT BID		
85		TXDOT HEADWALL(PW) (PW-MOD)(Hw = 10ft)(12X9, 5X5, 2-12X8 RCB)	1	EA	\$	s		
86	334915	TXDOT SETP-CD TYPE II (24 IN RCP) DOLLARS CENTS  PER EACH	2	EA	\$	\$		
87	313600	GABIONS (TWISTED WIRE -STYLE 3) DOLLARSCENTS PER CUBIC YARD	360	CY	\$	\$		
88	334113	TRENCH EXCAVATION PROTECTION (STORM SEWER) DOLLARSCENTS PER LINEAR FOOT	1,475	LF	\$	\$		
89	334200	TRENCH EXCAVATION PROTECTION (RCB INSTALLAION) DOLLARSCENTS PER LINEAR FOOT	1,910	LF	\$	\$		
		STONEBROO	OK & FIGHTING EA	GLES WA	TER QUANTITIES			
90	330510	TRENCH EXCAVATION PROTECTION (WATER) DOLLARSCENTS PER LINEAR FOOT	2,626	LF	\$	\$		
91	331114	6" PVC WATER LINE, C900, DR-14, INCLUDING EMBEDMENT AND ALL FITTINGS	74	LF	\$	\$		
92	331114	12" PVC WATER LINE, C900, DR-18, INCLUDING EMBEDMENT AND ALL FITTINGS  DOLLARS CENTS  PER LINEAR FOOT	2,552	LF	\$	\$		
93	331217	12" RESILIENT SEAT GATE VALVE WITH VALVE BOX	8	EA	\$	\$		
94	331219	6" FIRE HYDRANT ASSEMBLY, W/6" GATE VALVE, COMPLETE- IN-PLACE.  DOLLARS  CENTS  PER EACH	3	EA	\$	\$		
95	331114	CONNECT TO EXISTING WATER LINE	2	EA	\$	\$		

### STONEBROOK PARKWAY - PHASE I BID # 1111-010 **BID SCHEDULE** ITEM# SPEC ITEM EST. QTY UNIT BID PRICE AMOUNT BID DESCRIPTION AND UNIT PRICE IN WORDS UNIT CONCRETE ENCASEMENT FOR 12" PVC DOLLARS NCTCOG 504 140 LF 96 CENTS PER LINEAR FOOT 12" PVC PLUG DOLLARS 97 331114 EΑ \_CENTS PER EACH 20" DIAMETER STEEL ENCASEMENT BY OPEN CUT DOLLARS NCTCOG 504 185 LF \_CENTS PER LINEAR FOOT STONEBROOK SANITARY SEWER QUANTITIES 8" PVC SANITARY SEWER MAIN, SDR 26 99 333115 1,331 LF \_CENTS PER LINEAR FOOT SSMH, TYPE "S" (5 FT DIAM) 100 EΑ PER EACH SSMH, (5 FT DIAM) \_DOLLARS 333915 101 3 EΑ \_CENTS PER EACH SANITARY SEWER TRENCH PROTECTION \_DOLLARS 102 330510 1.331 LF \_CENTS PER LINEAR FOOT 16" DIAMETER STEEL ENCASEMENT BY OPEN CUT DOLLARS NCTCOG 504 103 LF 80 \_CENTS PER LINEAR FOOT 8" PVC PLUG DOLLARS 104 333115 EΑ \_CENTS PER EACH STONEBROOK & FIGHTING EAGLES LANDSCAPE QUANTITIES CRAPE MYRTLE 'NATCHEZ' \_DOLLARS 105 329300 11 EΑ \_CENTS

### STONEBROOK PARKWAY - PHASE I BID # 1111-010 **BID SCHEDULE** ITEM# SPEC ITEM DESCRIPTION AND UNIT PRICE IN WORDS EST. QTY UNIT BID PRICE AMOUNT BID UNIT SHANTUNG MAPLE DOLLARS 106 329300 11 EΑ CENTS PER EACH VITEX DOLLARS 107 329300 EΑ \_CENTS PER EACH SOLID SOD \_DOLLARS 108 329223 7,960 SY \_CENTS PER SQUARE YARD SEED / HYDROMULCH \_DOLLARS 109 329223 43,299 SY \_CENTS PER SQUARE YARD RRIGATION SYSTEM \_DOLLARS 110 \_CENTS PER LUMP SUM STONEBROOK & FIGHTING EAGLES ALTERNATE LANDSCAPE QUANTITIES ALTERNATE - IRRIGATION SYSTEM \_DOLLARS DEDUCT 111 328000 LS \_CENTS PER LUMP SUM ALTERNATE - SOLID SOD \_DOLLARS 112 329223 -703 SY \_CENTS PER SQUARE YARD STONEBROOK BRIDGE QUANTITIES DRILL SHAFT (18 IN) DOLLARS TxDOT 0416 113 252 LF \_CENTS PER LINEAR FOOT DRILL SHAFT (36 IN) \_DOLLARS 114 TxDOT 0416 2,010 LF CENTS PER LINEAR FOOT CLASS C CONCRETE (ABUT) \_DOLLARS 115 33105 176 CY \_CENTS PER CUBIC YARD

### BID # 1111-010 **BID SCHEDULE** ITEM# SPEC ITEM EST. QTY UNIT BID PRICE AMOUNT BID DESCRIPTION AND UNIT PRICE IN WORDS UNIT CLASS C CONCRETE (BENT) \_DOLLARS 116 33105 278 CY CENTS PER CUBIC YARD CLASS S CONCRETE (APPROACH SLAB) DOLLARS 117 33105 307 CY \_CENTS PER CUBIC YARD REINFORCED CONCRETE SLAB \_DOLLARS TxDOT 0422 118 49,875 SF CENTS PER SQUARE FOOT PRESTRESSED CONCRETE BEAMS (TY IV) \_DOLLARS 119 TxDOT 0425 6,626 LF \_CENTS PER LINEAR FOOT CONCRETE SURFACE TREATMENT (CLASS 1) 120 TxDOT 0428 5,331 \_CENTS PER SQUARE YARD CONCRETE RIPRAP 121 215 \_CENTS PER CUBIC YARD RAILING (TY C221) 122 TxDOT 0450 1,034 \_CENTS PER LINEAR FOOT RAILING (TY C221) (W/SLOTS) 123 TxDOT 0450 LF 1,086 PER LINEAR FOOT RAILING (PED RAIL) (SPL) \_DOLLARS 124 TxDOT 0450 1,034 LF PER LINEAR FOOT SEALED EXPANSION JOINT (4 IN) (SEJ-A) \_DOLLARS TxDOT 0454 125 469 LF \_CENTS PER LINEAR FOOT STONEBROOK TRAFFIC SIGNAL QUANTITIES DRILL SHAFT (TRF SIG POLE) (48 IN) \_DOLLARS 126 033101 88 LF \_CENTS PER LINEAR FOOT

STONEBROOK PARKWAY - PHASE I

### STONEBROOK PARKWAY - PHASE I BID # 1111-010 **BID SCHEDULE** ITEM# SPEC ITEM EST. QTY UNIT BID PRICE AMOUNT BID DESCRIPTION AND UNIT PRICE IN WORDS UNIT CONDT (PVC)(SCHD 40) (2")(TRAF SIG) DOLLARS 127 270500 375 LF CENTS PER LINEAR FOOT CONDT (PVC)(SCHD 40) (2")BORE(TRAF SIG) \_DOLLARS 128 270500 215 LF \_CENTS PER LINEAR FOOT CONDT (PVC)(SCHD 40) (3") \_DOLLARS 129 270500 100 LF \_CENTS PER LINEAR FOOT CONDT (PVC)(SCHD 40) (4") \_DOLLARS 130 270500 LF \_CENTS PER LINEAR FOOT CONDT (PVC)(SCHD 40) (4")BORE \_DOLLARS 131 215 LF \_CENTS PER LINEAR FOOT ELEC CONDR (NO. 4) INSULATED \_DOLLARS 280 \_CENTS PER LINEAR FOOT ELEC CONDR (NO. 6) BARE \_DOLLARS 133 1,260 \_CENTS PER LINEAR FOOT ELEC CONDR (NO. 8) INSULATED 260500 LF 134 1,500 PER LINEAR FOOT

135

136

137

260500

344135

260501

ELEC CONDR (NO. 12) INSULATED

GROUND BOX TY C (162911) W/APRON

INSTALL ELC SRV TY D(120/240)100(NS)SS(E)PS(U)

PER LINEAR FOOT

PER EACH

PER EACH

\_DOLLARS

\_DOLLARS

\_CENTS

\_DOLLARS

\_CENTS

LF

EΑ

EΑ

500

### STONEBROOK PARKWAY - PHASE I BID # 1111-010 **BID SCHEDULE** SPEC ITEM ITEM# DESCRIPTION AND UNIT PRICE IN WORDS EST. QTY UNIT UNIT BID PRICE AMOUNT BID INSTALL HWY TRF SIG DOLLARS 138 344113 LS CENTS PER LUMP SUM TRF SIGN CBL (TY A)(14 AWG) (5 CONDR) \_DOLLARS 139 344130 1,321 LF \_CENTS PER LINEAR FOOT TRF SIGN CBL (TY A)(14 AWG) (7 CONDR) \_DOLLARS 140 344130 188 LF \_CENTS PER LINEAR FOOT TRF SIGN CBL (TY A)(14 AWG) (10 CONDR) \_DOLLARS 141 225 LF \_CENTS PER LINEAR FOOT TRF SIGN CBL (TY A)(14 AWG) (25 CONDR) \_DOLLARS 142 925 LF \_CENTS PER LINEAR FOOT PEDESTRIAN POLE 143 EΑ \_CENTS PER EACH

## **BASE BID SUMMARY**

## $(6\ lanes\ Sta.\ 10+86\ to\ Sta\ 21+26\ and\ 4\ lanes\ Sta\ 21+26\ to\ Sta\ 29+82)$

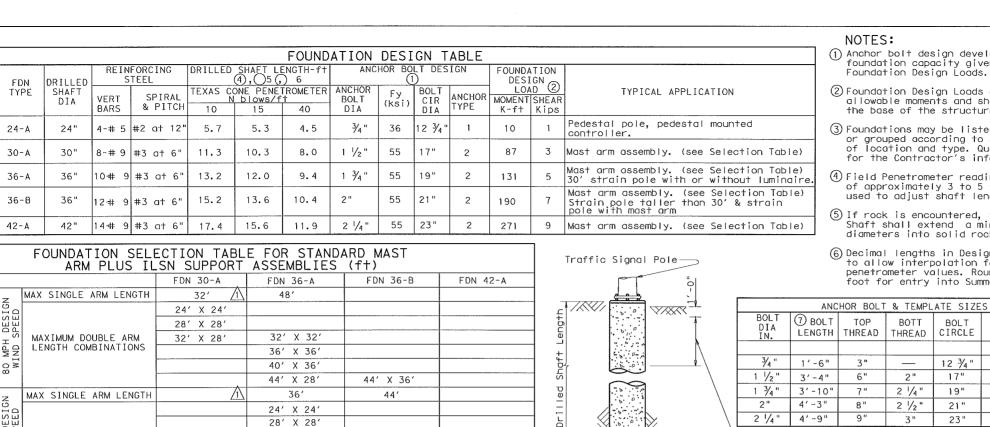
Base Bid – Stonebrook & Fighting Eagles Paving (Bid Items 1 through 10B and 11 through 34)	\$
Base Bid – Stonebrook & Fighting Eagles Pavement Marking (Bid Items 38 through 51)	\$
Base Bid – Stonebrook Illumination (Bid Items 59 through 67)	\$
Base Bid – Stonebrook & Fighting Eagles SW3P (Bid Items 68 through 71)	\$
Base Bid – Stonebrook & Fighting Eagles Drainage (Bid Items 72 through 89)	\$
Base Bid – Stonebrook & Fighting Eagles Water (Bid Items 90 through 98)	\$
Base Bid – Stonebrook Sanitary Sewer (Bid Items 99 through 104)	\$
Base Bid – Stonebrook & Fighting Eagles Landscape (Bid Items 105 through 110)	\$
Base Bid – Stonebrook Bridge (Bid Items 113 through 125)	\$
Base Bid – Stonebrook Traffic Signal (Bid Items 126 through 143)	\$
TOTAL AMOUNT BID -> BASE BID	(Total Amount Bid, Numerical Value)
	Dollars

(Total Amount Bid in Words)

## (6 Lanes Sta. 10+86 to Sta 29+82) Alternate A Bid – Stonebrook & Fighting Eagles Paving (Bid Items 35 through 37) Alternate A Bid – Stonebrook & Fighting Eagles Pavement Marking (Bid Items 52 through 58) Alternate A Bid – Stonebrook & Fighting Eagles Landscape (Bid Items 111 through 112) TOTAL AMOUNT BID -> ALTERNATE A BID (Total Amount Bid, Numerical Value) Dollars (Total Amount Bid in Words) ALTERNATE B BID SUMMARY (6 Lanes Sta. 10+86 to Sta 29+82) Alternate B Bid – SB & FE Paving (bid item 10C add) Alternate B Bid – SB & FE Paving (Bid Item 10A deduct) TOTAL AMOUNT BID --> ALTERNATE B BID (Total Amount Bid, Numerical Value) Dollars (Total Amount Bid in Words) TOTAL AMOUNT BID --> BASE BID + ALTERNATE A BID \$ (Total Amount Bid, Numerical Value) \_Dollars (Total Amount Bid in Words) TOTAL AMOUNT BID --> BASE BID + ALTERNATE B BID \$\_ (Total Amount Bid, Numerical Value) Dollars (Total Amount Bid in Words) TOTAL AMOUNT BID --> BASE BID + ALT. A + ALT. B BID \$ (Total Amount Bid, Numerical Value) Dollars

ALTERNATE A BID SUMMARY

(Total Amount Bid in Words)



32' X 32'

36' X 36'

40' x24'

32' X 24'

2 Flot

Lock

Type 2

≺2 Sides

(Typ)

Washers &

Washer per Anchor Bolt 40' X 36'

44' x 36'

Span Wires

Jse averaae Ñ value over the top third of the embedded shaft.

Ignore the top 1' of soil.

Min dimensions given, longer bolts are accéptable. Conduit 1/4" P\_ Steel

TOP

THREAD

6"

7"

8"

9"

NOTES:

(1) Anchor bolt design develops the

② Foundation Design Loads are the

the base of the structure.

allowable moments and shears at

3 Foundations may be listed seperately or grouped according to similarity

location and type. Quantities are

for the Contractor's information only

④ Field Penetrometer readings at a depth

of approximately 3 to 5 feet may be used to adjust shaft lengths.

Shaft shall extend a minimum of two

penetrometer values. Round to nearest

12 3/4"

17"

19"

21"

23"

R2

7 1/8"

10"

11 1/4"

12 1/2 "

Rı

5 5/8"

7"

7 3/4"

8 1/2 "

13 3/4" 9 1/4"

permissible

foot for entry into Summary Table.

⑤ If rock is encountered, the Drilled

6 Decimal lengths in Design Table are to allow interpolation for other

diameters into solid rock.

ROTT

THREAD

2"

2 1/4"

2 1/2"

3"

Foundation Design Loads.

foundation capacity given under

Bond anchor bolts to rebar caae, two locations using #3 bar or #6 copper iumper. Mechanical connectors shall be UL Listed for concrete encasement.

template splice Template with \_\_\_\_ holes ½ "greater than bolt diameter penetration -Spira -Vertical Bars Diamete

TOP VIEW

Circular Steel

-Anchor

-Circular

Template

Bo I t

Steel

Template

(Temporary)

1/4" to 1/2" of bolt shank shall project above

R<sub>1</sub> may equal R<sub>2</sub> if plate is welded of 3 or more segments.

TOTAL DRILLED SHAFT LENGTHS Bolt Circle This table was COmpleted order my

12-20-10

CHRISTOPHER J. PIERCE, P.E.

- STATE O

\*

CHRISTOPHER J. PIERC

92541

LEE ENGINEERING, L.L.C.

\*SUBSIDIARY TO ITEM 687 GENERAL NOTES

Design conforms to 1994 AASHTO Standard
Specifications for Structural Supports for

12\*

Reinforcing steel shall conform to Item 440.

Complete order my Concrete shall be Class A or C.
Threads for anchor bolts and nuts shall be responsible supervisioniled or cut threads of unified national coarse shall have 8 pitch thread series. Bolts and nuts shall have Class 2A and 2B fit tolerances.

Anchor bolts that are 1" in diameter or less shall conform to ASTM A36. Anchor bolts larger than 1" in diameter shall conform to A36M55 in accordance with the Item, "Anchor Bolts" or ASTM A193B7 or A687. Galvanize or coat with zinc-rich paint a minimum of the upper 14 inches of all anchor bolts unless otherwise noted. Exposed nuts shall be galvanized or coated with zinc-rich paint. Washers shall be galvanized.



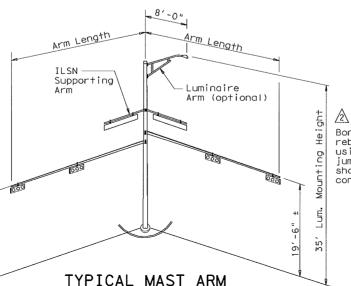
STANDARD PLANS Texas Department of Transportation Traffic Operations Division

> TRAFFIC SIGNAL POLE FOUNDATION

> > TS-FD-99

TVNAT	August	1995	1.	on: - MS	Ex: - JSY	Dw	- MAO/MMF	ck:- JSY/TEB	
VISIONS 5-96	STATE DISTRICT	FEBERAL REGION			RAL AID PROJECT	15"	WAO/ MINI	SHEET D317 LE B	
1-99								261	
		COU	NIY		CONTROL	SECTION	JOB	HIGHWAY	

Lumingire Arm (optional) /2\ Sway Cable-Anchor bolts to be approximately oriented so that two bolts are in tension from the Span Wire loads. TYPICAL STRAIN POLE **ASSEMBLY** 



**ASSEMBLY** 

the Engineer. 1 or 2 required) Vertical Bars (See Design Table for size & number). Bond anchor bolts to rebar cage, two locations using #3 bar or #6 copper jumper. Mechanical connectors shall be UL Listed for concrete encasement.

Conduit (See Layout

Sheets for diameter.

Orient as directed by

Class A or C Concrete Spiral, 3 flat turns top & 1 flat turn bottom. (See Design Table for size & pitch)

Vertical bars may rest on bottom of drilled hole if material is firm enough to do so when concrete is placed.

ELEVATION

Drilled o

Shaft Dia

FOUNDATION DETAILS

### for FDN 24-A) HOOKED ANCHOR NUT ANCHOR (TYPE 1) (TYPE 2) ANCHOR BOLT ASSEMBLY

## INSTALLATION PROCEDURE:

MAXIMIM DOUBLE ARM

another arm up to 28'

EXAMPLE:

Circular Steel

Bolt Leng:

Type 1

R=d-

1 ½" Min \_

Circular Steel Template-

(Omit bottom template

Template

LENGTH COMBINATIONS

1. For 80mph design wind speed, foundation

30-A can support up to a 32' arm with

2. For 100mph design wind speed, foundation

36-A can support a single 36' mast arm.

-Heavy Hex

Nut (Typ)

Threads of anchor bolts shall be coated with pipe joint compound prior to installation of upper nuts when erecting pole. After pole is plumbed and in permanent alignment, the exposed threads of painted bolts shall be cleaned and an additional coating of zinc-rich paint applied to seal the bolt thread-nut joint.

Highway Signs, Luminaires and Traffic Signals and interim revisions thereto.

FOUNDATION SUMMARY TABLE (3)

NO.

DRILLED SHAFT LENGTH 6

24-A 30-A 36-A 36-B 42-A

AVG. N BLOW

LEGACY DRIVE AT STONEBROOK PARKWAY

IDENTIFICATION

PB-1

PB-2

FDN

/ft. TYPE EA

10 24-A 1

10 24-A 1

10 24-A 1

thread series except for A193B7 bolts which Galvanized nuts shall be tapped after galvanizing.

Templates and embeded nuts need not be galvanized.

11/99 Revision

Changed to Facilitate new 1 terminal strip enclosure

Changed from ground rod to UFER ground